Name: _____

Class: _____

/20

Divisibility Rules

0, 2, 3, 5, 10

1. Answer each question. In each case, explain why or why not (justify your answer).

a. Is 45 divisible by 0? _____

b. Is 328 divisible by 2? _____

c. Is 81 divisible by 3? _____

d. Is 113 divisible by 5? _____

e. Is 7320 divisible by 10? _____

2. Mark with an 'x' if the number **is** divisible by 2, 3, 5, or 10.

Divisible by	2	3	5	10
825				
1 603				
4 100				

Divisible by	2	3	5	10
640 920				
54 515				
322 762				

3. Change one of the digits in 467 132 so that it is divisible by 3, but *not* divisible by 2. _ _ _ _ _ _

4. Change one of the digits in 88 307 so that it is divisible by 2 *and* 5. _ _ _ _ _ _

5.

Who am I?	***Who am I?***
I am between 25 and 50. I am divisible by 2 and 3. My tens digit is double my ones digit. ? _____ ?	You can find me between 53 and 79. 6 is not one of my digits. I am divisible by 2 and 5 ? _____ ?

6. Make a list of five consecutive numbers that are divisible by 2 and 3, starting from 72 and counting **up**.

72... _____ , _____ , _____ , _____ , _____

7. Make a list of five consecutive numbers that are divisible by 5, counting **down** from 410.

410... _____ , _____ , _____ , _____ , _____

BONUS!.

Write your phone number. Mark with an 'x' if the number **is** divisible by 2, 3, 5, or 10.	2	3	5	10
(2 0 4) _ _ _ - _ _ _ _				